

Amendment and Response under 37 C.F.R. 1.116

Applicant: Ashish Gupta

Serial No.: 10/080,440

Filed: February 22, 2002

Docket No.: 10019865-1

Title: SYSTEM AND METHOD FOR MEMORY INTERLEAVING USING CELL MAP WITH ENTRY GROUPING FOR HIGHER-WAY INTERLEAVING**REMARKS**

The following is made in response to the Final Office Action mailed May 18, 2004. In that Office Action, the Examiner indicated that claims 31 and 32 were directed toward an invention that is independent or distinct from the invention originally claimed and further indicated that claims 31 and 32 were withdrawn from consideration.

The Examiner rejected claims 1-4, 7, 11, 29, 34, and 35 under 35 U.S.C. §103(a) as being unpatentable over Lunteren, U.S. Patent No. 6,381,668 ("Lunteren"). Claim 6 was rejected under 35 U.S.C. §103(a) as being unpatentable over Lunteren in view of Grossier, U.S. Patent No. 6,553,478 ("Grossier"). Claims 8-10 were rejected under 35 U.S.C. §103(a) as being unpatentable over Lunteren in view of Douglas et al., U.S. Patent No. 6,480,943 ("Douglas"). Claim 33 was rejected under 35 U.S.C. §103(a) as being unpatentable over Lunteren in view of Harris et al., U.S. Patent Publication No. 2002/0087813 ("Harris").

The Examiner's indication that claim 30, although objected to, would be allowable if re-written in independent form, is noted with appreciation.

With this Response, claims 29-32 have been cancelled, claims 1 and 34 have been amended, and claims 36-38 have been added. Claims 1-11 and 33-38 remain pending in the application and are presented for reconsideration and allowance.

Restriction Requirement

In the Office Action, the Examiner indicated that claims 31 and 32 were directed toward an invention that is independent or distinct from the invention originally claimed, and further indicated that claims 31 and 32 were withdrawn from consideration. With this Amendment, Applicant has cancelled claims 31 and 32 without prejudice.

35 U.S.C. §103 Rejections

The Examiner rejected claims 1-4, 7, 11, 29, 34, and 35 under 35 U.S.C. §103(a) as being unpatentable over Lunteren, U.S. Patent No. 6,381,668 ("Lunteren"). Although not stated in the Office Action, the Examiner also appeared to reject claim 5 under 35 U.S.C. §103(a) as being unpatentable over Lunteren. The Examiner rejected claim 6 under 35 U.S.C. §103(a) as being unpatentable over Lunteren in view of Grossier, U.S. Patent No. 6,553,478 ("Grossier"). The Examiner rejected claims 8-10 under 35 U.S.C. §103(a) as

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being unpatentable over Lunteren in view of Douglas et al., U.S. Patent No. 6,480,943 ("Douglas"). The Examiner rejected claim 33 under 35 U.S.C. §103(a) as being unpatentable over Lunteren in view of Harris et al., U.S. Patent Publication No. 2002/0087813 ("Harris").

With this Amendment, Applicant has amended independent claim 1 to include the limitation "wherein each entry in the first set includes entry items that are different than entry items of other entries in the first set" from dependent claim 30, which the Examiner indicated would be allowable if re-written in independent form. The Applicant respectfully requests entry of the amendment to claim 1, requests removal of the rejection of claim 1 under 35 U.S.C. § 103(a), and requests allowance of this claim. Since dependent claims 2-11 and 33 further limit patentably distinct claim 1, claims 2-11 and 33 are believed to be allowable over the cited references, and allowance of claims 2-11 and 33 is respectfully requested.

With this Amendment, Applicant has amended independent claim 34 as follows: "wherein at least one of the entries in the first set includes a plurality of entry items that are different than entry items of other entries in the first set". The cited prior art does not teach or suggest each and every limitation of independent claim 34, including the limitation "wherein at least one of the entries in the first set includes a plurality of entry items that are different than entry items of other entries in the first set". The Applicant respectfully requests entry of the amendment to claim 34, requests removal of the rejection of claim 34 under 35 U.S.C. § 103(a), and requests allowance of this claim. Since dependent claim 35 further limits patentably distinct claim 34, claim 35 is believed to be allowable over the cited references, and allowance of claim 35 is respectfully requested.

Newly Submitted Claims

With this Amendment, Applicant has submitted new claims 36-38. Independent claim 36 is a method claim based on independent claim 1, and includes the limitation "wherein at least one of the entries in the first set includes a plurality of entry items that are different than entry items of other entries in the first set". The cited prior art does not teach or suggest each and every limitation of independent claim 36, including the limitation "wherein at least one of the entries in the first set includes a plurality of entry items that are different than entry items of other entries in the first set". Independent claim 37 is a system claim based on independent claim 34, and includes the limitation "wherein each entry in the

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first set includes entry items that are different than entry items of other entries in the first set". The cited prior art does not teach or suggest each and every limitation of independent claim 37, including the limitation "wherein each entry in the first set includes entry items that are different than entry items of other entries in the first set". Dependent claim 38 further limits patentably distinct claim 37, and is believed to be allowable over the cited references. In view of the above, entry of the amendment adding claims 36-38 is respectfully requested, and allowance of these claims is respectfully requested.

CONCLUSION

In view of the above, Applicant respectfully submits that pending claims 1-11 and 33-38 are in form for allowance and are not taught or suggested by the cited references. Therefore, reconsideration and withdrawal of the rejections and allowance of claims 1-11 and 33-38 is respectfully requested.

No fees are required under 37 C.F.R. 1.16(b)(c). However, if such fees are required, the Patent Office is hereby authorized to charge Deposit Account No. 08-2025.

The Examiner is invited to contact the Applicant's representative at the below-listed telephone numbers to facilitate prosecution of this application.

Any inquiry regarding this Amendment and Response should be directed to either David A. Plettner at Telephone No. (408) 447-3013, Facsimile No. (408) 447-0854 or Jeff A. Holmen at Telephone No. (612) 573-0178, Facsimile No. (612) 573-2005. In addition, all correspondence should continue to be directed to the following address:

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Title: **SYSTEM AND METHOD FOR MEMORY INTERLEAVING USING CELL MAP WITH ENTRY GROUPING FOR HIGHER-WAY INTERLEAVING****Hewlett-Packard Company**

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Respectfully submitted,

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CERTIFICATE UNDER 37 C.F.R. 1.8:

The undersigned hereby certifies that this paper or papers, as described herein, are being transmitted via telefacsimile to Fax No. (703) 746-7238 and to the attention of Examiner Saumil Shah of Group Art Unit 2100 of the U.S. Patent and Trademark Office on this 14 day of July, 2004.

By

Name: Jeff A. Holmen